



Transmission Business Line (TBL) Business Practice

REAL POWER LOSS RETURN METHODOLOGY

For the OATT effective October 1, 2001

Revision 1, Posted June 26, 2003

Revised as follows:

- *Section C revised to clarify how Real Power Losses are handled for Slice customers.*
- *Added section A. to clarify which customers are not required to return real power losses. This was previously posted in a linked document and the link does not work consistently.*
- *Removed nonworking link.*
- *Renumbered/reformatted sections to conform to conventions.*
- *Removed all references to submitting notification on OASIS, this capability does not exist.*
- *Removed requirement for yearly notification, this is no longer required.*
- *Minor edits for clarity and correction of typographical errors.*
- *Moved statement about refusal of schedule requests to the top of the document.*
- *Revised language for clarity.*

The Bonneville Power Administration (BPA) Transmission Business Line (BPAT) will refuse all schedule requests for Transmission Customers that have not made a declaration of their Real Power Loss Provider. This Posting describes what the Transmission Customer must do to return Real Power Losses to the BPA Power Business Line (PBL):

A. Customers That Are Not Required to Return Real Power Losses

With the exception of the following categories, all Transmission Customers must return Real Power Losses:

- **BPA PBL Full Requirements Customers** do not need to return losses for energy delivered under a subscription contract that includes losses.
- **BPA PBL Partial Requirements Customers** do not need to return losses for energy delivered under BPA PBL Partial Requirements subscription product agreements for the partial requirements portion of the agreement that includes Real Power Losses. *However*, Partial Requirements Customers **must return** Real Power Losses for the **non-requirements portion** of their power and must notify BPAT of their Real Power Loss provider for the **non-requirements portion** of their subscription contract.
- BPA PBL **Block** contracts include Real Power Losses. Therefore, BPA Block power customers do not need to return Real Power Losses.
- Network Integration (NT) Transmission Service Customers do not need to return Real Power Losses for power delivered under NT service agreements, as NT

service agreements include Real Power Losses, however all other transactions that are delivered under the NT Contract will have losses associated with them and a Real Power Loss provider does need to be identified,.

B. Real Power Loss Methodology for Point-to-Point (PTP) Customers

1. Real Power Loss returns can be from a Control Area, a system, or a remote generator resource within the network segment. If a remote resource is down for any reason, the Transmission Customer must deliver energy to the remote resource to ensure that the loss schedule is returned. This provides comparable loss return schedules for all providers of loss schedules from one loss provider. All losses must be provided from one Control Area, one system, or one remote generator.
2. The Transmission Customer is responsible delivering its required Real Power Losses to BPAT. A customer may elect to be its own Real Power Loss Provider, or may designate one alternate Real Power Loss Provider who will deliver the Transmission Customer's Real Power Losses to BPAT. BPAT will not charge Transmission Customers for transmission to return Real Power Losses. A Transmission Customer's alternate Real Power Loss Provider may use its own transmission or the Transmission Customer's "no charge" transmission reservation, as described in [section 4](#), to return the Transmission Customer's losses to BPAT on behalf of the Transmission Customer.

Transmission Customers must notify their BPAT Account Executive in writing of their designated Real Power Loss Provider using the form provided by the designated account executive. Transmission Customers may change their Real Power Loss provider with 60 days' prior written notice to their BPAT Account Executive. Transmission Customers may not change their Real Power Loss Provider more than two times in any fiscal year.

3. The loss return schedule shall be "from the loss provider to BPA" on the BPA network transmission segment, i.e., from an adjacent Control Area, system, or remote resource on the BPAT network.
4. Transmission charges associated with the return of Real Power Losses are already included in the charges associated with the transmission service that generated the losses, so BPAT does not assess additional transmission charges for the return of Real Power Losses. However, to allow BPAT to determine and track Available Transmission Capacity (ATC), Transmission Customers or their alternate Real Power Loss Provider must return Real Power Losses to PBL on firm transmission using either "no charge reservations for losses" or previously reserved transmission.

A new reservation product code for "no charge reservation for losses" is posted on the NW Open Access Same Time Information System (OASIS). The transmission loss reservation must show the Point Of Receipt (POR) as the Real Power Loss provider and the Point Of Delivery (POD) will be BPAP.

For BPAT posted external constrained paths, Transmission Customers or their alternate Real Power Loss Providers for transmission may use previously reserved transmission at a POR or may request a new “no charge reservation for losses”. “No charge reservation for losses” can be used only for transmission of loss schedules.

Real Power Loss return schedules are firm and subject to pro rata curtailment in real time. Real Power Loss returns that are curtailed must be returned as soon as possible and no later than 168 hours from the time of the curtailment.

5. BPAT will continue to calculate Real Power Losses for its transmission system using the Master Wheeling Program, and will send a daily Master Wheeling Program report to all Transmission Customers with loss schedules. Those schedules may also be viewed on the Customer Web Interface (CWI). Please contact BPAT Scheduling for more information on how to get access to CWI.
6. Section II. G., Unauthorized Increase Charge (UIC), of BPAT’s 2002 Transmission and Ancillary Service Rate Schedules states: “Transmission Customers taking Point-to-Point Transmission Service under the PTP, IS, and IM Rate Schedules shall be assessed the UIC when they exceed their capacity reservations at any Point of Receipt (POR) or Point of Delivery (POD).”

The UIC would apply under the following conditions for Real Power Losses:

- If the Transmission Customer or its alternate Real Power Loss Provider fails to reserve its required Real Power Losses, the Transmission Customer will be charged the UIC Rate on the full amount of Real Power Losses that should have been made;
- If the Transmission Customer or its alternate Real Power Loss Provider schedules transmission in excess of what is necessary to return their required Real Power Losses, the Transmission Customer will be charged the UIC Rate on the amount of transmission in excess of what was necessary to return their Real Power Losses;
- If the Transmission Customer or its alternate Real Power Loss Provider uses transmission previously reserved by the Transmission Customer to return Real Power Losses in lieu of “no charge reservation for losses,” and they schedule transmission in excess of what is necessary to return their required Real Power Losses, the Transmission Customer will be charged the UIC Rate on the amount of transmission in excess of what was necessary to return their Real Power Losses.

C. Real Power Loss Methodology for non-Point-to-Point Customers

Non-PTP Transmission Customers will be charged as follows:

- Network Integration (NT) Transmission Customers will not be charged transmission for loss schedules.

- Slice Customers do not require a “no charge reservation” when Slice is being used to provide the return of the Slice Customer’s Real Power Losses. A Slice customer that provides real power losses from its Slice share is not required to submit a “no charge reservation.” These losses are calculated in the same way as losses for other customers. However, instead of a return schedule the losses are deducted from the customer’s share of Slice 168 hours later, prior to the share being made available for scheduling.
- Formula Power Transmission (FPT) Customer losses are as described in the Customer’s FPT Contracts.
- Integration of Resources (IR) Customer losses are as described in the Customer’s IR Contract.

If you have questions or comments regarding this posting, please contact Shirley Buckmier at [smbuckmier @bpa.gov](mailto:smbuckmier@bpa.gov) or your BPAT Customer Account Executive.